



LANDAU
ASSOCIATES,
INC.

Geoenvironmental Engineering and Technologies

COLSF
Colbert 8.4 U1

July 9, 1990

Mr. Mike Kuntz
Washington State Department of Ecology
M/S PV-11
Olympia, WA 98504-8711

RE: JUNE 1990 PROGRESS REPORT
COLBERT LANDFILL RD/RA

Dear Mr. Kuntz:

Presented herein is the June 1990 Progress Report for the Colbert Landfill RD/RA Superfund Project (Project), which was prepared by Landau Associates, Inc. (Landau Associates), Spokane County's engineering consultant. It addresses the reporting requirements specified in Section XI of the Project Consent Decree, including:

- A description of remedial action activities commenced or completed during the reporting period
- Remedial action activities projected for the next reporting period (through July 1990)
- Any problems that have been encountered or are anticipated.

1.0 ACTIVITIES COMMENCED/COMPLETED DURING REPORTING PERIOD

Several activities were commenced and/or completed during the reporting period. Most of these activities are related to continuation of Phase I field activities and pilot study final design. Specifically, activities accomplished during this period include:

- Well construction activities were commenced and/or completed at three Phase I well locations (refer to attached Site Plan, Figure 1).
 - Monitoring Well CD-46 was completed. The well is screened in the Lower Sand/Gravel Aquifer from about 245 to 255 ft below ground surface (BGS).
 - The boring for Monitoring Well CD-47 was completed. The base of the Lower Sand/Gravel Aquifer was encountered at a depth of about 355 feet BGS and the boring was terminated in granite at a depth of about 380 feet. The well will be screened in the Lower Sand/Gravel Aquifer about 260 feet BGS.
- Development was completed for Wells CD-46 and CP-S1. Drawdown data collected during development of CP-S1 indicate the well should produce 50 to 100 gallons per minute (gpm) during the Phase I Pilot Studies.
- Ground water sampling was completed for Monitoring Well CD-46. Results of chemical analyses for this well will be forwarded to EPA and Ecology upon receipt from the laboratory.



- Percolation tests were accomplished at the Phase I-South treatment system location. These data will be used for final design of the Phase I South System infiltration system.
- Property boundary and pipeline alignment surveying was initiated. These data will be used for final design of Phase I influent and effluent pipelines.
- EPA and Ecology comments on the Draft Phase I Treatment and Discharge Plan (Plan) were received June 20, 1990 (letter dated June 15). Preparation of comment responses, including Plan revisions (where appropriate), has been initiated.

2.0 ACTIVITIES PROJECTED TO BE COMMENCED/COMPLETED DURING NEXT REPORTING PERIOD

As specified in the Schedule For Submittal of Deliverables, the next reporting period extends through July 1990. Anticipated activities for July include completion of well construction and development activities, continuation of pilot study final design, and response to EPA/ Ecology comments on the Phase I Treatment and Discharge Plan. Specific activities anticipated for the next reporting period include:

- Complete construction of Monitoring Well CD-47. The well will be completed in the Lower Sand/Gravel Aquifer and will be screened about 260 ft BGS (by mid-July).
- Initiate and complete construction of Pilot Well CP-W1. The well will be screened in the Lower Sand/Gravel Aquifer and will be designed based on data collected during construction of Monitoring Well CD-47 and CP-W1 boring advancement (by late July).
- Complete development of Wells CD-47 and CP-W1 (by late July).
- Complete elevation and location surveying for Phase I pipeline routings (by late July).
- Prepare plans and specifications, and obtain contractor bids, for Phase I pipeline and treatment systems (by late July).
- Submit the Final Treatment and Discharge Plan and a response letter addressing EPA and Ecology Plan comments. It is the County's understanding that additional submittals to EPA and Ecology will not be required prior to construction and operation of the Phase I treatment and discharge systems, once specific comments from the June 15, 1990 comment letter are adequately addressed (by July 20).

3.0 ENCOUNTERED/ANTICIPATED PROBLEMS

A potentially significant property access problem was encountered concerning the West System Pilot Well location (CP-W1). Although the present property owner (Glacier Park) has granted property access, the probable future owner (b) (6) and current lessee, may not grant similar access. Consequently, the County may be prevented from entering the property after the property transfer is completed. This may delay Phase I (West System) pilot

studies, unless an equitable agreement is reached with (b) (6), or EPA exercises its statutory authority for right of entry. EPA and Ecology will be kept apprised of the situation.

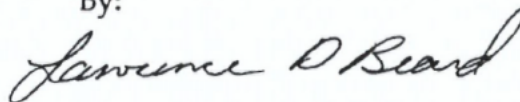
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This progress report describes the major remedial action activities commenced or completed during the reporting period, anticipated to be commenced or completed during the next reporting period, and any problems encountered or anticipated. As such, there are secondary and peripheral activities associated with these major tasks that are not described herein. If clarification is required for any of the activities presented in this progress report, or if additional information is desired for secondary or peripheral activities, please contact me or Dean Fowler (Spokane County).

Very truly yours,

LANDAU ASSOCIATES, INC.

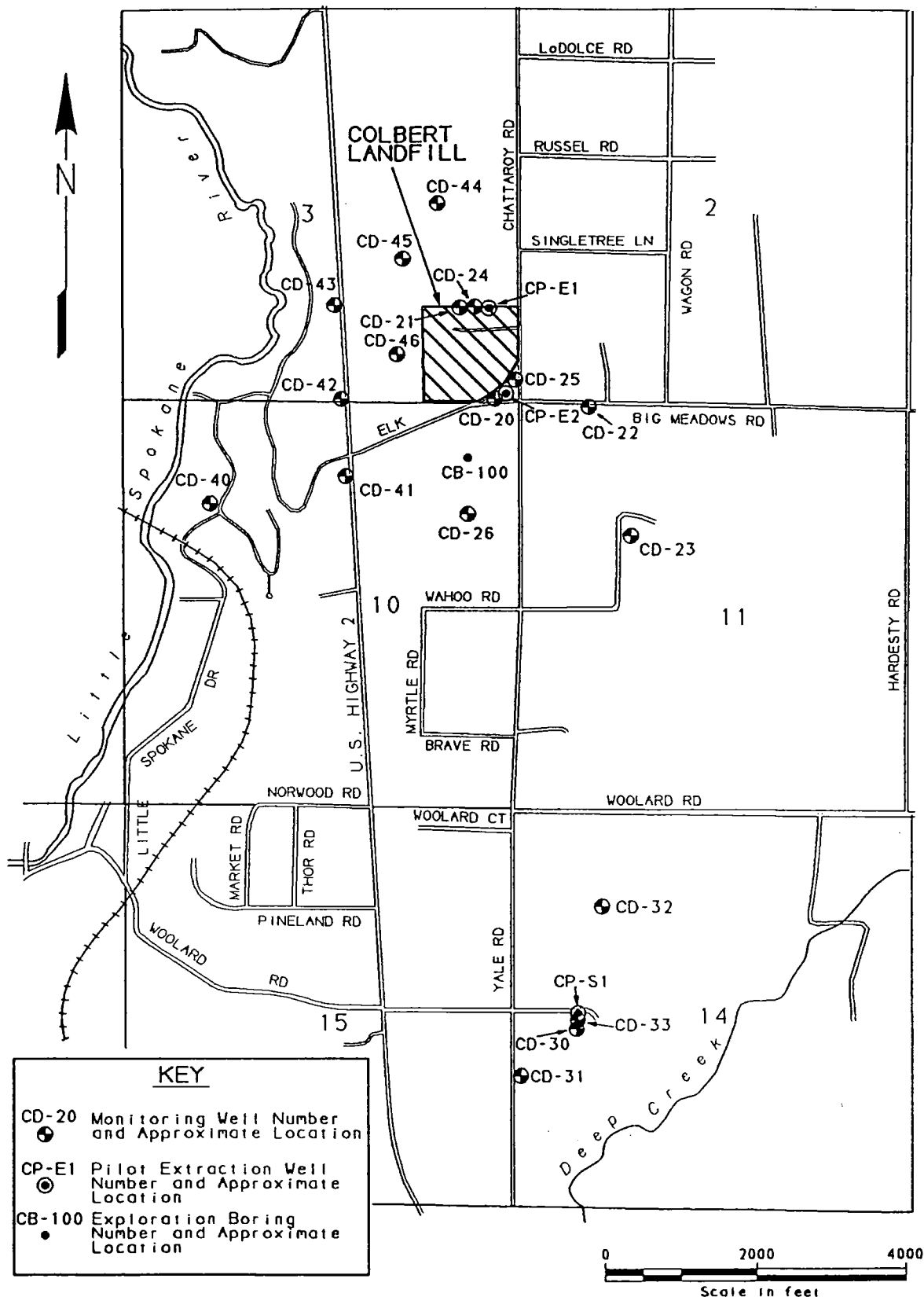
By:



Lawrence D. Beard, P.E.
Project Manager

LDB/sg
attachment
COLBERT\PROGRPT.JUN

cc: Neil Thompson, EPA
Dean Fowler, Spokane County
Lyle Diedieker, Ecology and Environment



LANDAU ASSOCIATES, INC.

Site Plan

Figure 1